

CARMEL GROUP INC.

SAFETY DATA SHEET

SECTION 1 CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Permanent Marker – Fine Tip		Revision date Feb 25, 2021
Previous revision date June 07, 2016	Product code FM20304, FM20308, FM20309, FM20310	Material use Ideal for marking fine lines. Fast drying, smear and weather resistant.
Manufacturer's Name and issuing location CARMEL GROUP INC. 10220 ARMAND LAVERGNE, MONTRÉAL, QUEBEC, CANADA, H1H 3N4 Tel: 514-270-5377 Fax: 514-270-2025 Internet : www.carmelindustries.com		EMERGENCY PHONE NUMBER CHEMTREC USA 800-424-9300 International 1-703-527-3887

SECTION 2 COMPOSITION/INFORMATION ON INGREDIENTS

PREPARATION HAZARDS AND CLASSIFICATION

Hazardous Ingredients	Risk phrases (Sect 16)	Note (Sect 15)	CAS #	Amount	Exposure Limits (ppm)				
					OSHA PEL	NIOSH REL-TWA	NIOSH REL-STEL	ACGIH TLV-TWA	ACGIH TLV-STEL

SECTION 3 EMERGENCY OVERVIEW

Keep away from children.

SKIN CONTACT	Generally the product does not irritate the skin.
EYE CONTACT	This product may cause irritation.
INHALATION	Non-hazardous in accordance with international standards for workplace safety.
INGESTION	May be harmful if swallowed. May cause eye irritation. (based on components)

CHRONIC EFFECTS	No further relevant information available.
Medical Condition Aggravated by Exposure	No further relevant information available.

Fire hazard : 0	Health Hazard : 0	Reactivity : 0	Personal Protection : See Section 8
0 = Minimal 1 = Slight hazard 2= Moderate Hazard 3 = Serious Hazard 4 = Severe Hazard			
Potential Health Effects (HMIS Rating)			
Health : 1	Flammability: 0	Reactivity: 0	
0 = Minimal 1 = Slight hazard 2= Moderate Hazard 3 = Serious Hazard 4 = Severe Hazard			

SECTION 4 FIRST AID MEASURES

EYE CONTACT	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. If eye irritation persists: Get medical advice/ attention.
SKIN CONTACT	Wash skin with soap and water. Get medical attention if irritation develops and persists.
INHALATION	If experiencing respiratory symptoms: Call a POISON CENTER or doctor/ physician.
INGESTION	IF SWALLOWED: Call a POISON CENTER or doctor/ physician if you feel unwell
ADDITIONAL INFO	

SECTION 5 FIRE FIGHTING MEASURES

Flash Point Category (OSHA) IB -	Non-combustible
Extinguishing Media	Extinguish with a multipurpose firefighting CO ₂ , water spray, dry powder or foam.
Special Firefighting Procedure	Since the product is non-combustible, there is no need of a special firefighting procedure.
Unusual Fire and Explosion Hazards	No further relevant information available.

SECTION 6 ACCIDENTAL RELEASE MEASURES

Small Spills	Cover remaining spilled product with dry powder, dry sand, or Vermiculite. Eliminate all source of ignition & ventilate area of spill. The product may be Already dry before powders are applied.
Large Spills	Unlikely to occur

SECTION 7 HANDLING AND STORAGE

Handling procedures	None special needed. Don't break or burn the marker
Storage precautions	Normal precaution should be followed. Store in a dry & cool place, out of direct sunlight.
	Do not store at temperature >50°C/120°F.

SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

PERSONAL PROTECTION	
Respiratory protection	None if product is properly used.
Protective gloves	If marker is frequently used, wear rubber glove to prevent skin contact.
Eye protection	None if product is properly used.
Clothing	Standard industrial.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance Marker with a fine tip	Odour Ink	Physical state Liquid at 25°C/77°F	Flash point 80°C
Melting point N/Av.	Specific gravity (H ₂ O=1) > 1	Evaporation rate (vs. Butyl Acetate) <0.01 at 25°C/77°F	Solubility in water soluble
Vapor Density vs. Air Heavier	Partitioning coefficient N/Av.	Typical density (lbs/gal) 7.69 to 9.64	Percent volatiles 10 to 20 %

SECTION 10 STABILITY AND REACTIVITY DATA

Stability Stable	Hazardous polymerization Will not occur.
Incompatibility Normally no-reactive; however avoid contact with strong oxidizing agent (ex. Peroxides, chlorine).	
Hazardous decomposition products Burning can produce noxious and toxic fumes, and the following combustion products: Oxides of carbon.	

SECTION 11 TOXICOLOGICAL INFORMATION

Irritancy of Material Cause eye & skin irritation.	Sensitizing Capability None known			
Mutagenicity / Teratogenicity Not listed	Synergistic Materials None known			
Acute Toxicity Data				
Ingredient	CAS#	LD ₅₀ Oral (mg/kg)	LD ₅₀ Dermal (mg/kg)	LC ₅₀ Inhalation (4 hrs.)

SECTION 12 ECOLOGICAL INFORMATION

In the environment, the active ingredient in this formulation is expected to remain in water or migrate through the soil to groundwater . Harmful effects to aquatic organisms could occur.

SECTION 13 DISPOSAL CONSIDERATION

Dispose of in accordance with appropriate Federal, State and local regulation.

SECTION 14 TRANSPORT INFORMATION

Not regulated for transport under USDOT, EUADR, IATA, or IMDG regulations.

SECTION 15 REGULATORY INFORMATION

EU Indication of danger:	Not classified
Canada - WHMIS: Classifications	None required This product has been classified in accordance with the hazard criteria of the CPR and the MSDS contains all of the information required by the CPR.
SARA Hazard Cat.	Acute Health Hazard, Not flammable

TSCA Status	All ingredients of this product are listed on the U.S. EPA TSCA (Toxic Substances Control Act) Chemical Substance Inventory.
DSL Status	All ingredients of this product are listed on the Canadian EPA (CEPA) Domestic Substances List (DSL).
EINECS Status	All ingredients of this product are listed on the European Inventory of Existing Chemical Substances (EINECS).
AICS Status	All ingredients of this product are listed on the Australian Inventory of Chemical Substances (AICS).
Risk Phrases	None.
Safety Phrases	S2: Keep out of reach of children.
OSHA HCS Compliance	MSDS of the product is classified in accordance with all the required information for his hazard criteria under the Health Communication Standards of the U.S. OSHA.
WHMIS CPR Compliance	MSDS of the product is classified in accordance with all the required information for his hazard criteria under the Controlled Products Regulations of the Canadian WHMIS.

SECTION 16 OTHER INFORMATION

N/Av.=NOT AVAILBLE	N/L=NOT LISTED
SDS originally made by Carmel Industries Inc.	

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